

Title (en)
MULTILAYER COMPOSITE FILM AND USE THEREOF

Title (de)
MEHRSCHICHTFILM UND SEINE VERWENDUNG

Title (fr)
FILM COMPOSITE MULTICOUCHES ET UTILISATION DE CE FILM

Publication
EP 1137538 A1 20011004 (FR)

Application
EP 99956278 A 19991203

Priority
• EP 99956278 A 19991203
• EP 98420226 A 19981207
• IB 9901930 W 19991203

Abstract (en)
[origin: EP1008446A1] Composite plastic film is 30-120 micro m thick has a mixed plastic layer sandwiched between linear low density polyethylene layers of density = 0.919-0.930. The mixed plastic is 50-70% polypropylene of density = 0.895-0.905 and melt index = 0.75-0.85, 10-30% of the linear low density polyethylene, and 10-30% thermoplastic polyolefin of density = 0.885-0.905 and melt index = 0.55-0.65 An Independent claim is also included for forming a valve by welding together the two superposed films, so when stretched they form a conduit. A straw is inserted into the conduit and has an enlarged end to retain it there.

IPC 1-7
B32B 27/32; **B65D 65/40**

IPC 8 full level
B32B 7/02 (2019.01); **B32B 27/32** (2006.01); **B65D 30/24** (2006.01); **B65D 65/40** (2006.01); **B65D 75/58** (2006.01); **B65D 77/28** (2006.01); **C08L 23/12** (2006.01)

CPC (source: EP US)
B32B 7/02 (2013.01 - EP US); **B32B 27/08** (2013.01 - US); **B32B 27/32** (2013.01 - US); **B32B 27/322** (2013.01 - EP US); **B65D 31/145** (2013.01 - EP US); **B65D 75/5883** (2013.01 - EP US); **B65D 77/28** (2013.01 - EP US); **B32B 2323/046** (2013.01 - US); **B32B 2323/10** (2013.01 - US); **B32B 2439/70** (2013.01 - US); **Y10T 428/24992** (2015.01 - EP US)

Citation (search report)
See references of WO 0034039A1

Cited by
US9169366B2; US9802393B2

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EP 1008446 A1 20000614; AT E255007 T1 20031215; AU 1291500 A 20000626; CN 1121944 C 20030924; CN 1329543 A 20020102; DE 69913196 D1 20040108; EP 1137538 A1 20011004; EP 1137538 B1 20031126; HK 1040961 A1 20020628; JP 2002531303 A 20020924; US 2002127382 A1 20020912; WO 0034039 A1 20000615

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